# Feline Leukemia Virus

Indiana State Board of Animal Health • Technical Bulletin CP-46.01

Feline Leukemia Virus. or FeLV, is a retrovirus that to causes the immune system to permanently infected. breakdown, making cats more cat will be ill for a few susceptible to diseases. Feline Virus is the leading cause months or years, however,

cats today.

FeLV is most commonly grooming, biting fighting.FeLV contact is not survive long in the the disease. environment. Deterease. The virus can be healthy.

## **TRANSMISSION**

- saliva-sneezing, hissing
- mucus membranestears
- mutual grooming
- biting, fighting
- sharing food and water bowls
- urine
- feces, sharing litter boxes
- blood
- milk of nursing queen
- intrauterine transmission to unborn kittens

weeks after infection.

## Developing Infection

Once the virus enters the body, it reproduces in the lymph tissue, which is the cat's first line of defense.

About 30% of cats exposed FeLV will become The other days, recover and appear to Leukemia be back to normal for weeks, of illness and death of vaccination will not help the cat.

Other cats have an immune transmitted by mutual response and don't become and "persistantly is which means the cat doesn't quickly inactivated by carry the virus in the blood heat and drying, there- or bone marrow indefinately. fore, prolong cat to cat They may only develop a mild necessary form of the disease lasting for effective transmis- three to 10 days. Adult cats The virus is are more likely than kittens fairly unstable and will to develop an immunity to

The FeLV virus may stay gents, bleach, heat and latent in the bone marrow will inactivate for several years or confined the virus. Not all cats in the body for variable exposed to the virus periods of time, during which will contract the dis-time the cat appears to be The disease detected within 2 to 5 breakout after the cat has been stressed or medicated with a drug that suppresses the immune system.In the early stages of the infection the ELISA and IFA results will be negative.

## Diagnosis

The ELISA and IFA are two commonly used tests available for the diagnosis of FeLV. The ELISA, or the enzymelinked immunosorbent assay is performed by the

# FELV SYMPTOMS

- •gingivitis, oral ulcers
- •abcesses, non-healing wounds
- •persistent infections
- •chronic illness
- •anemia
- jaundice
- weight loss decreased appetite
- •depression
- •diarrhea/constipation
- •blood in stool
- •enlarged lymph nodes
- •difficulty breathing
- •progressive weakness
- •excessive drinking and Urination
- •abortion
- •infertility
- •birth of "fading kittens"

veterinarian and shows a color change if the cat is positive for the virus. False positive test results

do occur occasionally, retesting is reccommended. The IFA test. or the immunoflurescence assay, a blood sample is taken and sent to а diagnostic laboratory. The IFA test is also called the Hardy test or slide test.

The ELISA test will test positive for the FeLV virus before the IFA test.

### **Treatment**

At this time, there isn't a cure for FeLV. However, various antiviral compounds to treat the FeLV infection are in the experimental stages. If a cat is sick the illness can be treated, but treatment will not eliminate the virus. Many cats live for several years after diagnosis.

#### Prevention

Several vaccines are available for FeLV, but the USDA doesn't have standard requirements for these The vaccines. vaccine effectiveness is estimated between 75-85%. There is no vaccine that is 100% effective. Therefore, better to vaccinate the cat and avoid unneccessary exposure.

#### Indiana State Board of Animal Health

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